

MS4 Monitoring, Evaluation, Tracking, and Reporting: Learning from Experience to Improve Local Capacity and Permitting Approaches

Key Findings and Recommendations

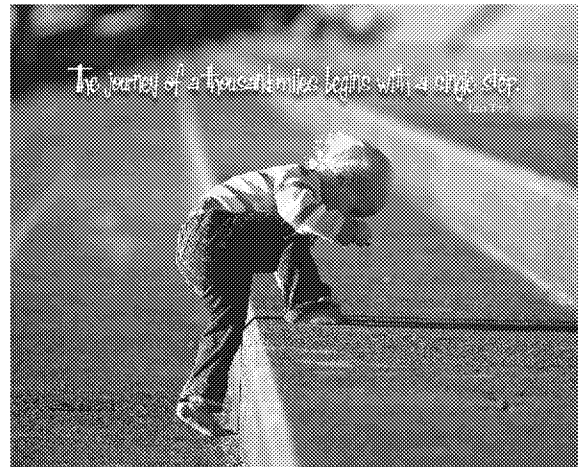
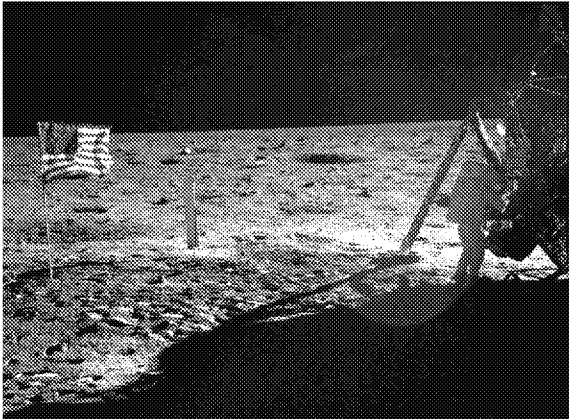


Chris Minton
Larry Walker Associates

Overview

- What did we accomplish?
- What are the outcomes?
- What's next?

What did we accomplish?



What are the outcomes?

- Agreement that change could be good
- Built support to pursue thoughtful change
- Developed series of recommendations
- Recommendations
 - Capacity Building and Program Support
 - Permitting
 - Making Monitoring Inform Program Management
 - Improving Our Ability to Quantify Effectiveness
 - Improving Program Tracking and Reporting

Recommendations

Capacity Building & Program Support

- Develop a vision for the future
- Develop a guide for improvement
- Establish key performance metrics
- Identify ways to leverage existing data

Making Monitoring Inform Management

- Evaluate appropriate scale
- Convene session on deploying sensors

Recommendations

Improve Ability to Quantify Effectiveness

- Document state of knowledge on BMP effectiveness
- Improve usefulness of modeling with better performance data
- Evaluate methods to account for source control

Improve Program Tracking and Reporting

- Identify approach for performance metrics to guide efforts
- Determine the most effective reporting mechanisms and formats

Permitting Recommendations

- Improve clarity of monitoring and effectiveness Permit requirements (including objectives, methods, and designs)
- Create a pathway in permits to make special studies more impactful
- Evaluate whether lack of 40 CFR Part 136 approval presents a barrier to water quality sampling and analysis technology implementation

What's Next?

- What did we miss?
- What should we focus on moving forward?
- How much flexibility is appropriate given
Regulator and Permittee resources, experience
and expertise?